Installed in VT131
Serial # ABJ5503

GREEK/MATH CHARACTER SET OPTION

INSTALLATION GUIDE

FOR

VT-100 CRT TERMINAL

March 1982

Warranty

MARC Software International, Inc. warrants the Greek/Math Character Set Option EPROM to the original owner for a period of 90 days from date of shipment that the EPROM and its contents are free from defects in material and workmanship and shall operate as stated when properly installed and used as directed. This warranty shall be void if it is improperly installed or is altered in any way.

No other warranty is expressed or implied.

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GREEK/MATH CHARACTER SET OPTION

Installation Instructions

These instructions give all necessary information for nontechnical personnel to install the Greek Character Set Option EPROM* for use with the MUSE Word Processing Software and the VT-100 CRT terminal.

A blade type screwdriver is the only tool required for installation.

The use of the MUSE Greek Character Set Option requires the previous installation of the Advanced Video Option card (shown in Figure 2) which is manufactured by Digital Equipment Corporation. If this board has not already been installed, follow the installation instructions accompanying the Advanced Video Option kit for your VT100 terminal.

1. Remove power from terminal by disconnecting POWER CORD CONNECTOR (Figure 2).

2. Unplug the KEYBOARD CONNECTOR (Figure 2).

3. Unplug the EXTERNAL VIDEO OUTPUT and EXTERNAL VIDEO INPUT CONNECTORS (Figure 2).

4. Disconnect the EIA COMMUNICATIONS CABLE (Figure 2).

5. With a blade type screwdriver, loosen the four CAPTIVE SCREWS holding the access cover.

6. If the 20 mA Current Loop Option (Figure 1) is installed, gently pull the access cover away from the terminal, about 5 cm (2 inches), and then reach in and disconnect J5 (see Figure 2) from the terminal controller board.

7. Remove the access cover (Figure 2).

8. Remove the terminal controller board by gently but firmly pulling the board straight out. The Terminal Controller Board is located in the left-most slot in the card cage.

9. Place the terminal controller board on a flat surface with the component side up (Figure 1).

10. The MUSE GREEK/MATH Character Set Option chip is installed on the Terminal Controller Board, NOT on the Advanced Video Option Board, although both boards have empty sockets. The MUSE Greek Character Set chip will be installed on the lower left hand corner of the Terminal Controller Board as shown in Figure 1. Note: there is only one empty socket for chips in this area.

* Note: An EPROM is a 24 pin semiconductor chip and the name, EPROM, stands for Electrically-Programmable-Read-Only-Prom. The EPROM contains the information which defines the GREEK/MATH CHARACTER SET.

11. Carefully remove the MUSE GREEK/MATH Character Set Option EPROM from the protective conducting foam and gently place it on the chip socket. DO NOT PUSH DOWN ON THE CHIP AT THIS TIME. Locate the white dot on one end of the EPROM and be sure it is on the same end as the small notch that appears only on one end of the chip socket.

    Failure to observe this orientation will permanently damage the Greek Character Set Option EPROM.

12. The insertion of the EPROM into the socket requires considerable attention to detail. First align one row of pins in the socket, then gently push sideways against the chip until the opposite row of pins starts to slip into place. At this point, one should examine that none of the pins are beginning to buckle or fold.

    Once both rows of pins are correctly aligned, firm pressure in the center of the chip will fully seat it into the socket.

13. Reinstall the Terminal Controller Board. The Terminal Controller Board must be inserted into the left-most slot in the card cage.

    Please observe the orientation shown in Figure 1 so that the EIA communication connector appears at the lower-edge of the board.

14. Reinstall the access cover.

CHECKOUT:

Use the following procedure to check out the operation of the MUSE GREEK/MATH Character Set Option.

1. Turn the terminal power on and verify that no error was detected during the power up self-test.

2. Press the SET-UP key. The words "SET-UP A" should blink in boldface, the words "TO EXIT PRESS SET-UP" should be underlined, and the ruler should contain alternating normal and reverse video fields.

3. Place the terminal in the 132-column mode and then in the LOCAL mode.

4. Exit SET-UP and type the following sequence:

    ESC(1

    Now when you type, the alternate GREEK/MATH Character Set Option should appear on the screen in correspondence with Figure 3.

    To exit the Greek Character Set and return to standard ASCII characters type the following sequence:

    ESC(B

RELATED DOCUMENTS:

The following VT100 hardware manuals can be purchased from DIGITAL Equipment Corporation's Accessory and Supply Group.

Part No.	Title
EK-VT100-UG	VT100 User's Guide
EK-VT100-JI	VT100 Mini Maintenance Manual
EK-VT100-TM	VT100 Technical Manual
EK-VT100-IP	VT100 Illustrated Parts Breakdown (IBP)
MP-00663	VT100 Print Set

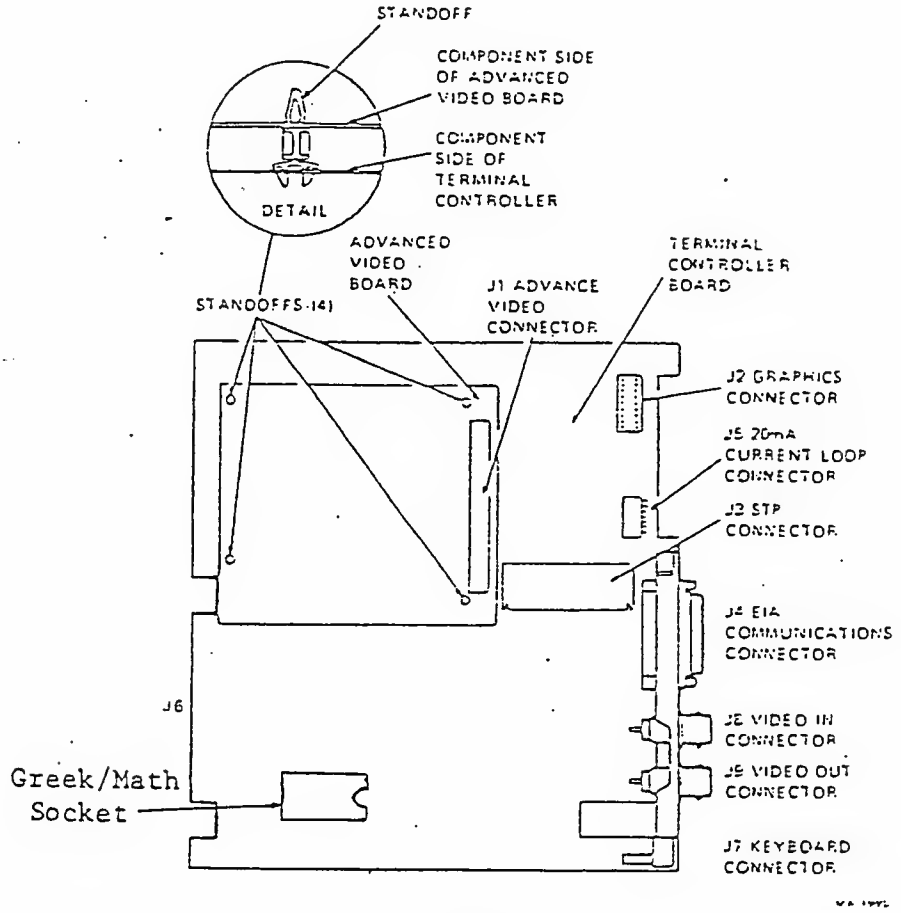

FIGURE #1

TOP VIEW OF TERMINAL CONTROLLER BOARD

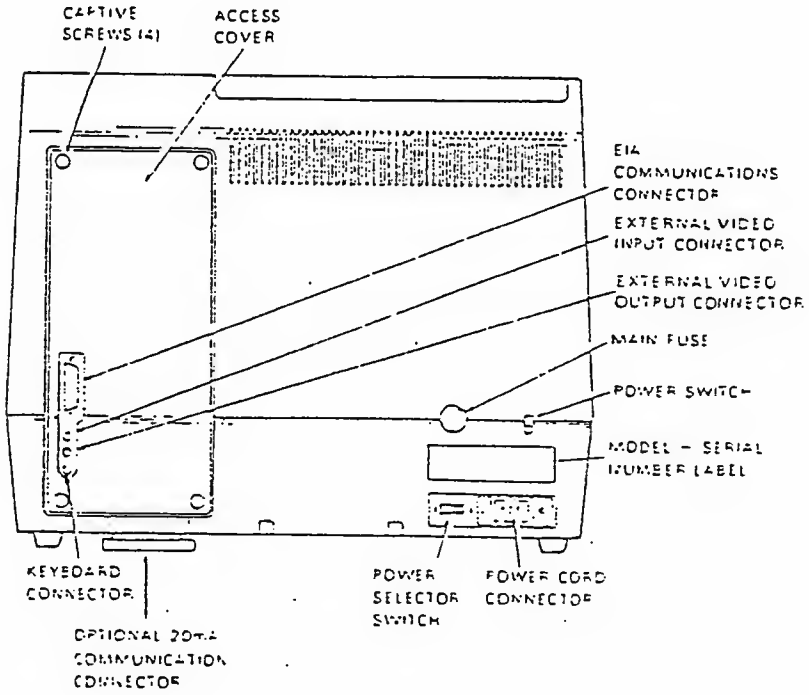

FIGURE #2

REAR VIEW OF VT100

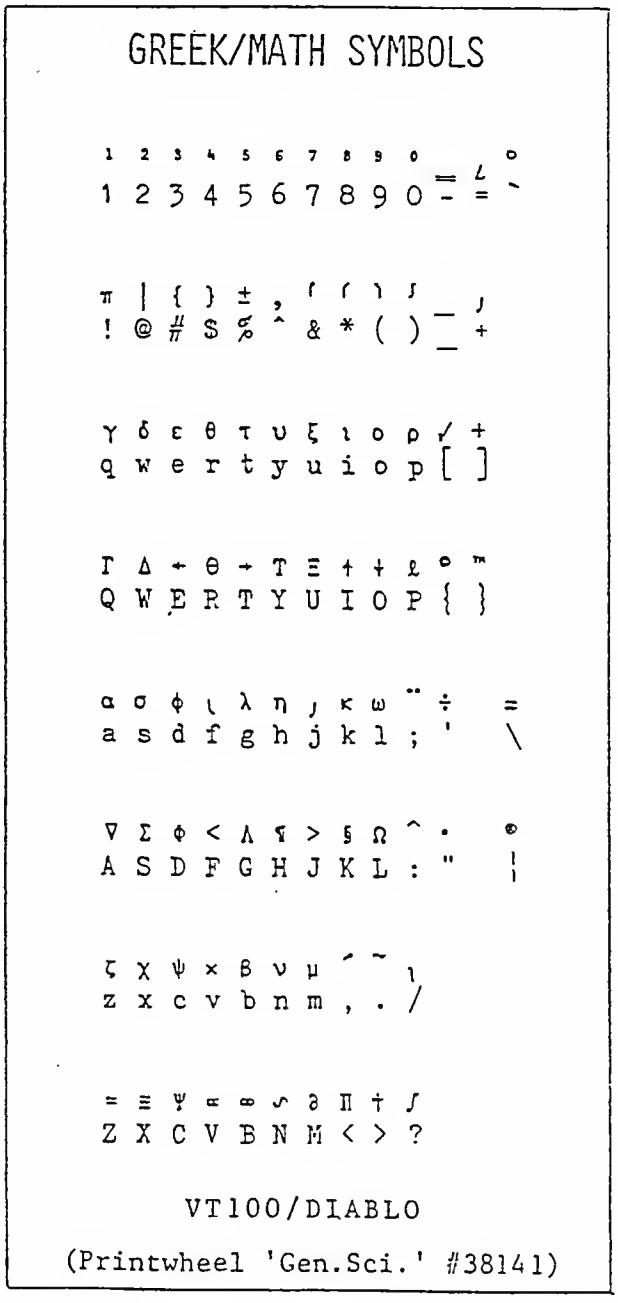

FIGURE #3

CORRESPONDING ENGLISH AND GREEK/MATH CHARACTERS